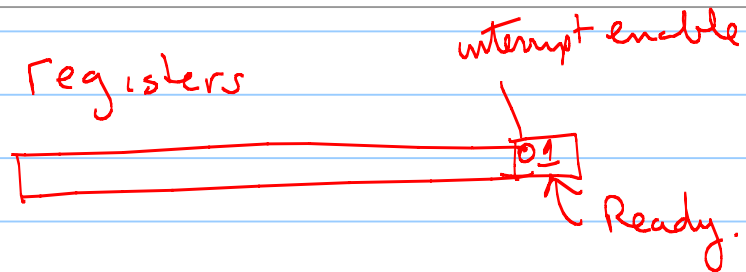


Status Registers



Interrupts :

automatic forced subroutine call (to where?)
at an arbitrary point in a program.

add
sub
br
set
.
.
;

To Where?

On Mars simulator, the branch is to
0x80000180

• text 0x80000180

code : rules for registers here are very
restrictive : you can use \$k1, \$k0.

- you can't trust any registers including \$sp.
- if you want to use any registers other than \$k1, \$k0, you must save and restore them.

Where can we save them?

- in a fixed area of memory. (not re-entrant)
- usually processor disable interrupts when an interrupt is taken.